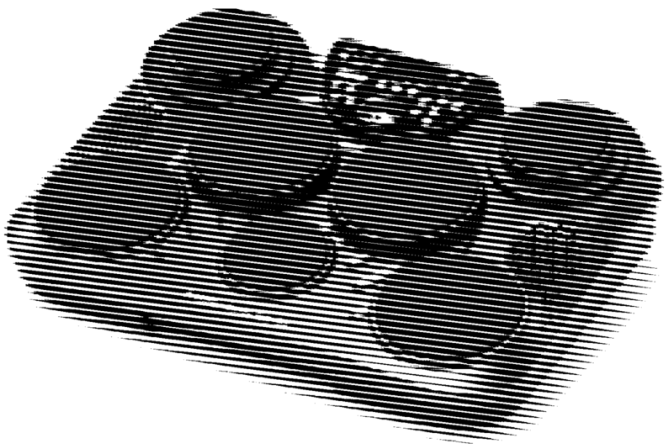
Millenium



MD-90

mobile drum

th•mann
MUSIC IS OUR PASSION

user manual

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1 General notes

This user manual contains important information on safe operation of the device. Read and follow all safety notes and all instructions. Save this manual for future reference. Make sure that it is available to all persons using this device. If you sell the device to other users, be sure that they also receive this manual.

Our products are subject to a process of continuous development. We therefore reserve the right to make changes without notice.

Symbols and signal words

This section provides an overview of the symbols and signal words used in this user manual.

Signal word	Meaning
DANGER!	This combination of symbol and signal word indicates an immediate dangerous situation that will result in death or serious injury if it is not avoided.
CAUTION!	This combination of symbol and signal word indicates a possible dangerous situation that can result in minor injury if it is not avoided.
NOTICE!	This combination of symbol and signal word indicates a possible dangerous situation that can result in material and environmental damage if it is not avoided.

Warning signs	Type of danger
	Warning – danger zone.

2 Safety instructions

Intended use

Use the device only as described in this user manual. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

This device may be used only by persons with sufficient physical, sensorial, and intellectual abilities and having corresponding knowledge and experience. Other persons may use this device only if they are supervised or instructed by a person who is responsible for their safety.

Safety

DANGER!

Danger for children

Ensure that plastic bags, packaging, etc. are disposed of properly and are not within reach of babies and young children. Choking hazard!

Ensure that children do not detach any small parts (e.g. knobs or the like) from the unit. They could swallow the pieces and choke!

Never let children unattended use electrical devices.

CAUTION!

Possible hearing damage

With loudspeakers or headphones connected, the device can produce volume levels that may cause temporary or permanent hearing impairment.

Do not operate the device permanently at a high volume level. Decrease the volume level immediately if you experience ringing in your ears or hearing impairment.

NOTICE!

Operating conditions

This device has been designed for indoor use only. To prevent damage, never expose the device to any liquid or moisture. Avoid direct sunlight, heavy dirt, and strong vibrations.

NOTICE!

External power supply

The device is powered by an external power supply. Before connecting the external power supply, ensure that the input voltage (AC outlet) matches the voltage rating of the device and that the AC outlet is protected by a residual current circuit breaker. Failure to do so could result in damage to the device and possibly the user.

Unplug the external power supply before electrical storms occur and when the device is unused for long periods of time to reduce the risk of electric shock or fire.

NOTICE!

Risk of fire due to incorrect polarity

Incorrectly inserted batteries may destroy the device or the batteries.

Ensure that proper polarity is observed when inserting batteries.

NOTICE!

Possible damage by leaking batteries

Leaking batteries can cause permanent damage to the device.

Take batteries out of the device if it is not going to be used for a longer period.

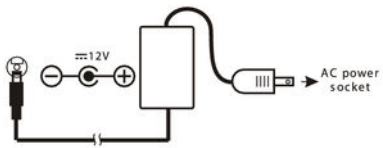
3 Features

- 7 pressure-sensitive drum pads, connectors for kick and hi-hat pedals
- Three-digit LED display
- Headphones (1/4" socket) and USB connection (MIDI IN/OUT)
- 25 predefined drum kits, 5 user drum kits
- 215 percussion voices, 128 GM voices, 8 MB voice data
- 100 songs (80 styles, 20 songs)
- 1 demo song
- Recording track

4 Installation

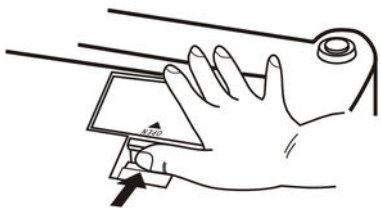
Connecting the power adaptor

Connect the power adaptor to the 12 V input of the device and then insert the mains plug into a wall outlet.



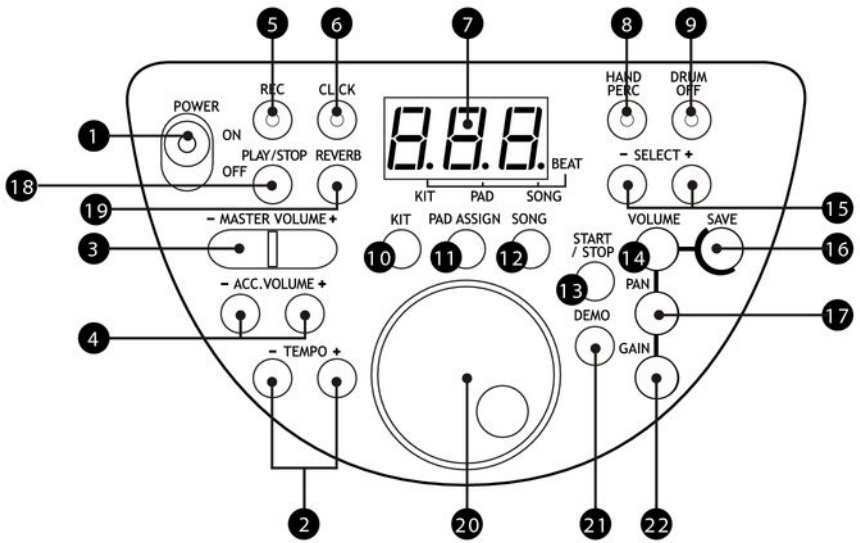
Changing the batteries

To insert or replace the batteries flip over the device, press lightly on the battery compartment cover and slide it in arrow direction. Take off the lid. Replace or insert the batteries observing the pole marking and slide the cover back into its original position until it clicks into place.



5 Operating elements

Front panel



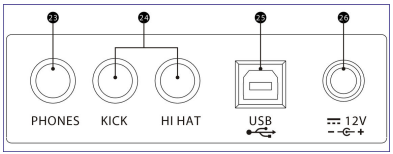
1	*[POWER]* switch To switch the device on or off.
2	*[TEMPO –/+]* buttons To adjust the playback speed.
3	*[MASTER VOLUME –/+]* buttons To adjust the overall volume.
4	*[ACC.VOLUME –/+]* buttons To adjust the volume of the accompaniment tracks.
5	*[REC]* button with LED indicator To start or stop the recording function.
6	*[CLICK]* button with LED indicator To switch the metronome function on or off.

7	Three-digit LED display The display shows all parameters of the respectively opened menu.
8	*[HAND PERC]* button with LED indicator To switch to the 'Hand Percussion' mode.
9	*[DRUM OFF]* button with LED indicator To mute the drum track.
10	*[KIT]* button To open the 'KIT' menu.
11	*[PAD ASSIGN]* button To open the 'VOICE' and 'VOLUME' menu.
12	*[SONG]* button To open the 'SONG' menu.
13	*[START/STOP]* button Playback function for demo songs.

14	*[VOLUME]* button To adjust the pad volume.
15	*[SELECT –/+]* buttons To set the desired values (kit no., voice no., song no., …).
16	*[SAVE]* button To save the current settings as a user kit.
17	*[PAN]* button To customize the PAN assignment of each pad.
18	*[PLAY/STOP]* button Playback function for recording tracks.
19	*[REVERB]* button To adjust the reverb level.
20	Jog wheel To adjust the desired values (kit no., voice no., song no., …).

21	*[DEMO]* button Playback function for demo songs.
22	*[GAIN]* button To adjust the pad gain.

Rear panel

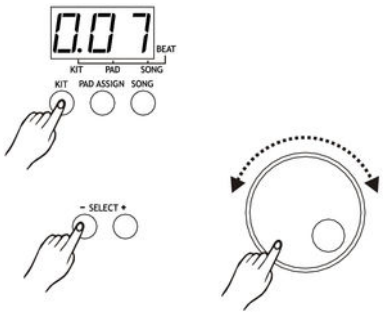


23	PHONES socket For the connection of headphones.
24	KICK and HI HAT sockets For the connection of the kick and hi-hat pedals.

25	USB connector To connect external devices.
26	12V connector for operating voltage supply. Connect the power adaptor here.

6 Functions

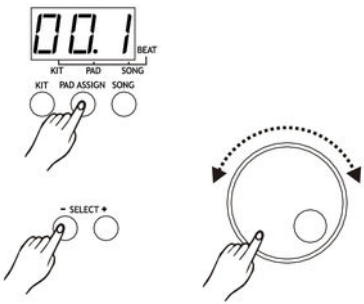
Selecting a drum kit



Upon switching on, the device activates the 'KIT' menu by default. The default value is *'001'*.

Press the *[KIT]* button to open the 'KIT' menu. The control LED of the button lights up and the three-digit LED display shows the current kit number. Then you can select the desired kit (1… 30, loop) using the jog wheel or the *[SELECT –/+]* buttons.

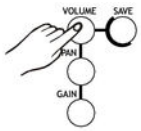
Selecting a pad voice



Press the *[PAD ASSIGN]* button to open the PAD ASSIGN menu. The default value corresponds to the voice number that is assigned to the crash pad in the respective kit, e.g. *'96'* in kit *'001'*.

The control LED of the button lights up and the three-digit LED display shows the voice number that is assigned to the activated pad (activation by pressing a button or hitting the pad). Then you can select the desired voice (1…215, loop) using the jog wheel or the *[SELECT –/+]* buttons.

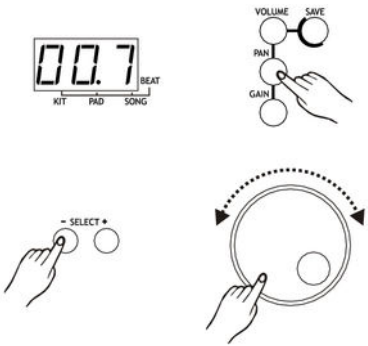
Selecting the pad volume



Press the *[VOLUME]* button to open the PAD ASSIGN menu.

The control LED of the button lights up and the three-digit LED display shows the volume value of the activated pad (activation by pressing a button or hitting the pad). Then you can adjust the pad volume (0…9, loop) using the jog wheel or the *[SELECT –/+]* buttons.

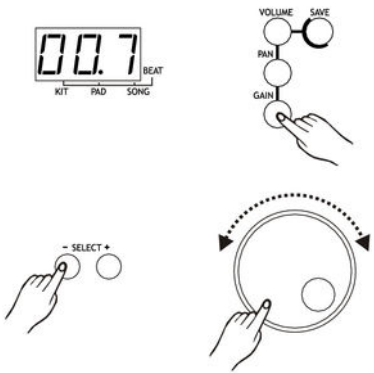
Panorama assignment



Press the *[PAN]* button to open the PAD ASSIGN menu.

The control LED of the button lights up and the three-digit LED display shows the assignment of the activated pad (activation by pressing a button or hitting the pad). Then you can adjust the position of the pad within the stereo panorama using the jog wheel or the *[SELECT –/+]* buttons (0…9, loop).

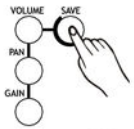
Setting the pad gain

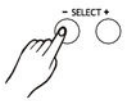


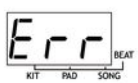
Press the *[GAIN]* button to open the PAD ASSIGN menu.

The control LED of the button lights up and the three-digit LED display shows the gain of the activated pad (activation by pressing a button or hitting the pad). Then you can set the desired gain (0…9, loop) using the jog wheel or the *[SELECT –/+]* buttons.

Saving a kit







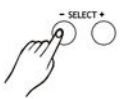
Press the *[SAVE]* button to open the SAVE menu. You can now assign the current settings to a user kit number using the jog wheel or the *[SELECT –/+]* buttons (26…30, loop). During this process the display value flashes on the three-digit LED display.

Press the *[SAVE]* button again to store the setting. When this is finished successfully, the user kit is automatically activated via the kit menu.

If an error occurs, the three-digit LED display shows Err.

Any unsaved changes will be discarded by the selection of another kit.

Song playback



Press the *[SONG]* button to open the SONG menu. The default value is *'001'*.

The control LED of the button lights up and the three-digit LED display shows the current song number. Then you can select the desired song (1…100, loop) using the jog wheel or the *[SELECT –/+]* buttons.

The first 80 songs can be played as a loop. Use the *[START]* and *[STOP]* buttons to start or pause playback. If you skip during playback to the beginning of the following song, the current bar of the current song will be completed first.

For each song, the parameters 'tempo' and 'drum kit' are stored in the system. The corresponding values ??are loaded automatically when you play the song.

Main volume

In the main menu, the three-digit LED display shows the main volume in *'Lxx'* format. Using the *[MASTER VOLUME –/+]* buttons you can adjust the volume stepwise from 0…9.

The selected value is automatically saved.

Accompaniment volume

In ACC.VOLUME menu, the three-digit LED display shows the accompaniment volume in *'Axx'* format. Using the jog wheel or the *[SELECT –/+]* buttons you can adjust the accompaniment volume stepwise from 0…9.

The selected value is automatically saved.

Muting the drum track

Using the *[DRUM OFF]* button you can mute or unmute the drum track during the playback of songs. The control LED of the button lights up when this function is enabled, i.e. the drum track is muted.

Tempo

Press one of the *[TEMPO –/+]* buttons once to enter the TEMPO menu. Use the *[TEMPO –/+]* buttons to adjust the playback tempo (click and song) stepwise in a range of 30…280. To resume normal playback tempo press both buttons simultaneously.

Metronome

During song playback, the beat indicator (control LED) is automatically activated. Press the *[CLICK]* button once to enable a human voice counting. Press twice to enable the click sound. Press the *[CLICK]* button again to turn the metronome off.

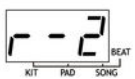
Hand percussion

Use the *[HAND PERC]* button to enter the Hand Percussion mode (song no. 5, kit no. 21). The control LED of the button lights up when this function is enabled.

Demo

Use the *[DEMO]* button to enter the Demo mode. The three-digit LED display shows the value *'dE'*. Use the *[START]* and *[STOP]* buttons to start or pause the playback of demo songs.

Reverb



Use the *[REVERB]* button to enter the REVERB menu. The three-digit LED display shows the currently selected reverb level in *'Rxx'* format. Use the jog wheel or the *[SELECT –/+]* buttons to adjust the level stepwise as desired from 0…3.

The selected value is automatically saved.

Recording

1. Prepare to record: Select a song and a drum kit. Determine the desired tempo and the settings for DRUM OFF and REVERB.

2. Start recording: Press the *[REC]* button. The control LED of the button starts flashing. Press *[START/STOP]* or hit a pad to start the recording. The control LED of the button goes out.

3. Stop recording: Press the *[REC]* button or *[START/STOP]*. The control LED of the button goes out. If the memory is used up the recording is automatically stopped and the three-digit LED display shows *'FL'*

When starting the recording, the vocal voice counting of the metronome is automatically activated but will not be recorded. Tu turn the metronome off press the [CLICK] button.

Playback

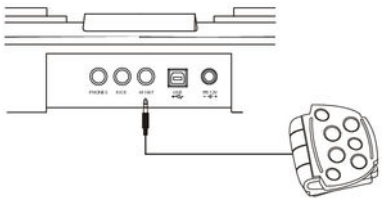
Use the *[PLAY/STOP]* button to start or stop the playback of recordings.

When recording a new song, the previous recording will be overwritten. If the power supply is disconnected, the recorded track is deleted.

7 In and outputs

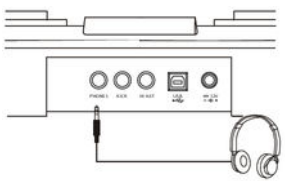
Pedals

You can connect kick and hi-hat pedals with 1/4" phone jacks to the corresponding sockets.



Headphones

The headphone output on the rear panel is available to connect headphones with a 1/4" TRS phone jack.



USB/MIDI interface

This device outputs MIDI code via the USB / MIDI interface when you hit pads or press the pedals. Metronome signals and signals within songs will not be transferred. The device also receives MIDI data from other devices.

8 Technical specifications

Pads	7 pressure-sensitive drum pads, connections for kick and hi-hat pedals
Drum kits	25 predefined drum kits, 5 user drum kits
Voices	215 percussion voices, 128 GM voices, 8 MB voice data
Songs	100 songs (80 styles, 20 songs), 1 demo song
Metronome	2 different sounds
Recording	1 track
Display	Three-digit LED display
Connections	USB (MIDI IN/OUT)
	Headphones (1/4" phone socket)
	Kick and Hi-Hat pedal
Operating voltage supply	■ Power adaptor (12 V ⎓) or ■ 6 × C cells (C, LR14, 1.5 V)

Dimensions (W × D × H)	500 mm × 370 mm × 157 mm
Weight	3.3 kg

9 Cleaning

Device parts

Clean the accessible parts of the device regularly. The frequency of cleaning depends on the operating environment: moist, smoky or particularly dirty environments may cause a higher accumulation of dirt on the components of the device.

- Use a dry soft cloth for cleaning.
- Remove stubborn stains with a slightly damp cloth.
- Never use cleaners containing alcohol or thinner.
- Never put any vinyl items on the device, as vinyl can stick to the surface or lead to its discolouration.

10 Protecting the environment

Disposal of the packaging material

For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling.

Ensure that plastic bags, packaging, etc. are properly disposed of.

Do not just dispose these materials with your normal household waste, but make sure that they are fed to a recovery. Please follow the notes and markings on the packaging.

Disposal of batteries

Batteries must not be disposed of as domestic waste or thrown into fire. Dispose of the batteries according to national or local regulations regarding hazardous waste. To protect the environment, dispose of empty batteries at your retail store or at appropriate collection sites.

Disposal of your old device

This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE). Do not dispose with your normal household waste.

Dispose this device through an approved waste disposal firm or through your local waste facility. When discarding the device, comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.

11 Appendix

11.1 Voice list

No.	Name	No.	Name	No.	Name
Kick kit					
1	Rock Kick 001	11	Acoustic Kick 001	21	Acoustic Kick 011
2	Rock Kick 002	12	Acoustic Kick 002		
3	Rock Kick 003	13	Acoustic Kick 003		
4	Standard Kick 001	14	Acoustic Kick 004		
5	Standard Kick 002	15	Acoustic Kick 005		
6	Standard Kick 003	16	Acoustic Kick 006		
7	Standard Kick 004	17	Acoustic Kick 007		
8	Pop Kick 001	18	Acoustic Kick 008		

No.	Name	No.	Name	No.	Name
9	Pop Kick 002	19	Acoustic Kick 009		
10	Pop Kick 003	20	Acoustic Kick 010		

No.	Name	No.	Name	No.	Name
Snare kit					
22	Standard Snare 001	31	Standard Stick 002	41	Acoustic Snare 004
23	Standard Snare 002	32	Rock Snare 001	42	Acoustic Snare 005
24	Standard Snare 003	33	Rock Snare 002		
25	Standard Snare 004	34	Rock Snare 003		
26	Standard Snare 005	35	Pop Snare 001		
27	Standard Snare 006	36	Pop Snare 002		
28	Brush Snare 001	37	Pop Snare 003		

No.	Name	No.	Name	No.	Name
29	Brush Snare 002	38	Acoustic Snare 001		
30	Standard Stick 001	39	Acoustic Snare 002		

No.	Name	No.	Name	No.	Name
Tom kit					
43	Standard Tom 001	53	Room Tom 005	63	Analog Tom 003
44	Standard Tom 002	54	Room Tom 006	64	Analog Tom 004
45	Standard Tom 003	55	Electronic Tom 001	65	Analog Tom 005
46	Standard Tom 004	56	Electronic Tom 002	66	Analog Tom 006
47	Standard Tom 005	57	Electronic Tom 003	67	Acoustic Tom 001
48	Standard Tom 006	58	Electronic Tom 004	68	Acoustic Tom 002
49	Room Tom 001	59	Electronic Tom 005	69	Acoustic Tom 003

No.	Name		No.	Name		No.	Name
50	Room Tom 002		60	Electronic Tom 006		70	Acoustic Tom 004
51	Room Tom 003		61	Analog Tom 001		71	Acoustic Tom 005
52	Room Tom 004		62	Analog Tom 002		72	Acoustic Tom 006

No.	Name		No.	Name
Hihat kit				
73	Standard Hihat Close		81	Rock Hihat Pad
74	Standard Hihat Pad		82	Rock Hihat Open
75	Standard Hihat Open		83	Acoustic Hihat Close
76	Analog Hihat Close		84	Acoustic Hihat Pad
77	Analog Hihat Pad		85	Acoustic Hihat Open
78	Analog Hihat Open			

No.	Name		No.	Name
79	Shakable			
80	Rock Hihat Close			

No.	Name		No.	Name
Crash kit				
86	Standard Crash001		93	Rock Crash
87	Standard Crash002		94	Standard Ride 002
88	Standard Crash003		95	Electronic Crash
89	Analog Ride001		96	Splash002
90	China Crash		97	Ride Bell
91	Splash001			
92	Standard Ride 001			

No.	Name	No.	Name	No.	Name
Panel kit					
98	Vibraslap	108	High Timbale	118	Long Guiro
99	Hand	109	Low Timbale	119	Mute Cuica
100	Tambourine	110	High Agogo	120	Open Cuica
101	Stcowb	111	Low Agogo	121	Mute Surdo
102	Mutecowb	112	Cabasa	122	Open Surdo
103	Mute Hi Conga	113	Shaker	123	Maracas
104	Open Hi Conga	114	Claves	124	HighQ
105	Low Conga	115	Mute Triangle	125	Slap
106	Hi Bongo	116	Open Triangle	126	Scratch Push
107	Low Bongo	117	Short Guiro	127	Scral

No.	Name		No.	Name
Panel kit				
128	One		138	Laugh
129	Two		139	Metronome1
130	Three		140	Metronome2
131	Four		141	Tambourine001
132	Cartoon001		142	Tambourine002
133	Cartoon002		143	Tambourine003
134	Cartoon003		144	Tambourine004
135	Cartoon004		145	Tambourine005
136	Cartoon005			
137	Cartoon006			

No.	Name	No.	Name	No.	Name
SFX kit					
146	SFX001	156	SFX011	166	SFX021
147	SFX002	157	SFX012	167	SFX022
148	SFX003	158	SFX013	168	SFX023
149	SFX004	159	SFX014	169	SFX024
150	SFX005	160	SFX015	170	SFX025
151	SFX006	161	SFX016	171	SFX026
152	SFX007	162	SFX017	172	SFX027
153	SFX008	163	SFX018	173	SFX028
154	SFX009	164	SFX019	174	SFX029
155	SFX010	165	SFX020	175	SFX030

No.	Name	No.	Name	No.	Name
SFX kit					
176	SFX031	186	SFX041	196	SFX051
177	SFX032	187	SFX042	197	SFX052
178	SFX033	188	SFX043	198	SFX053
179	SFX034	189	SFX044	199	SFX054
180	SFX035	190	SFX045	200	SFX055
181	SFX036	191	SFX046	201	SFX056
182	SFX037	192	SFX047	202	SFX057
183	SFX038	193	SFX048	203	SFX058
184	SFX039	194	SFX049	204	SFX059
185	SFX040	195	SFX050	205	SFX060

No.	Name
SFX kit	
206	SFX061
207	SFX062
208	SFX063
209	SFX064
210	SFX065
211	SFX066
212	SFX067
213	SFX068
214	SFX069
215	SFX070

11.2 Kit list

No.	Name	No.	Name	No.	Name
1	Pop1	11	Rock2	21	Conga1
2	Pop2	12	Boss	22	Conga2
3	Standard 1	13	Rock3	23	Timbales
4	Room	14	Standard 3	24	Latin
5	Rock 1	15	Rock4	25	Funk
6	Electronic	16	Jazz2	26	User 1 (pop1)
7	Analog	17	Funk	27	User 2 (pop2)
8	Jazz 1	18	Clave	28	User 3 (Standard1)
9	Brush	19	Drum Bass	29	User 4 (Room)
10	Standard 2	20	Hip Hop	30	User 5 (Rock1)

11.3 Song list

No.	Kit	Name	Beat		No.	Kit	Name	Beat
Intro					10	04	Rock1	4/4
01	01	Intro	4/4		11	05	Rock2	4/4
8 beat					12	03	Rock3	4/4
02	03	8 Beat2	4/4		13	01	Rock4	4/4
03	02	8 Beat3	4/4		14	02	Rock5	4/4
04	05	8 Beat4	4/4		15	05	Hard Rock1	4/4
05	21	8 Beat5	4/4		16	05	Hard Rock2	4/4
06	21	8 Beat Ballad1	4/4		17	07	16 Beat 1	4/4
07	21	8 Beat Ballad2	4/4		18	03	16 Beat 2	4/4
08	01	8 Beat Ballad3	4/4		19	01	16 Beat 3	4/4
09	03	Soft Rock	4/4		20	07	16 Beat 4	4/4

No.	Kit	Name	Beat
21	04	16 Beat 5	4/4
22	02	16 Beat 6	4/4
23	01	16 Beat 7	4/4
24	21	16 Beat Ballad 1	4/4
25	21	16 Beat Ballad 2	4/4
26	05	16 Beat Ballad 3	4/4
27	03	16 Beat Ballad 4	4/4
28	01	16 Beat Ballad 5	4/4
29	03	16 Beat Funk 1	4/4
30	01	16 Beat Funk 2	4/4

No.	Kit	Name	Beat
Dance			
31	07	Dance 1	4/4
32	07	Dance 2	4/4
33	01	Dance 3	4/4
34	06	Dance 4	4/4
35	04	Dance 5	4/4
36	07	Dance 6	4/4
Rap			
37	03	Rap 1	4/4
38	01	Rap 2	4/4
39	03	Rap 3	4/4

No.	Kit	Name	Beat
Bounce			
40	04	Bounce 1	4/4
41	03	Bounce 2	4/4
42	01	Bounce 3	4/4
Shuffle			
43	03	Shuffle 1	4/4
44	02	Shuffle 2	4/4
45	03	Shuffle 3	4/4
46	01	Shuffle 4	4/4
47	05	Shuffle 5	4/4
48	04	Shuffle 6	4/4
49	03	Shuffle 7	4/4
Slow rock			
50	03	Slow Rock 1	4/4
51	04	Slow Rock 2	4/4
52	01	Slow Rock 3	4/4
53	04	Slow Rock 4	4/4
Latin			
54	03	Reggae 1	4/4
55	23	Reggae 2	4/4
56	12	Bossa Nova 1	4/4
57	12	Bossa Nova 2	4/4

No.	Kit	Name	Beat
58	03	Samba	4/4
59	01	Salsa	4/4
60	03	Latin Rock	4/4
61	03	Cha-Cha	4/4
62	12	Mambo	4/4
63	12	Rhumba 1	4/4
64	12	Rhumba 2	4/4
65	12	Rhumba 2	4/4
66	01	Tango	4/4

No.	Kit	Name	Beat
Swing			
67	09	Swing 1	4/4
68	09	Swing 2	4/4
69	08	Swing 3	4/4
Others			
70	12	Waltz	4/4
71	02	3/4 Ballad	4/4
72	03	Swing Blues	4/4
73	02	Blues	4/4
74	01	March 1	4/4
75	01	March 2	4/4

No.	Kit	Name	Beat
76	03	R&B	4/4
77	01	Hip-Hop	4/4
78	03	Funk	4/4
79	12	Country	4/4
80	09	Big Band	4/4
8 beat			
81	03	8 Beat 1	4/4
82	05	8 Beat 2	4/4
83	03	Ballad	4/4
84	05	Hard Rock 1	4/4
85	05	Hard Rock 2	4/4
86	01	Hard Rock 3	4/4
87	03	Pop Dance 1	4/4
88	07	Pop Dance 2	4/4
89	03	R&B	4/4
16 beat			
90	01	16 beat	4/4
91	03	Fusion	4/4
Funk			
92	02	Funk 1	4/4
93	03	Funk 2	4/4

No.	Kit	Name	Beat
Shuffle			
94	04	Shuffle 1	4/4
95	03	Shuffle 2	4/4
96	03	16 Beat Shuffle	4/4
97	01	16 Beat Triplet	4/4
Others			
98	03	Reggae	4/4
99	12	Bossa Nova	4/4
100	08	Big Band	4/4

11.4 MIDI implementation

Function		Transmitted	Recognised	Remarks
Basic channel	Default	Ch 10	Ch 1…16	
	Changed	No	No	
Mode	Default	No	1	
	Messages	No	No	
	Altered	********	No	
Note number	True voice	27…88	0…127	
		********	0…127	
Velocity	Note ON	Yes (9nH, V=1…127) No (9nH, V=0)	Yes (9nH, V=1…127) No (9nH, V=0; 8nH, V=0…127)	
	Note OFF	Yes (99H, V: 0)	Yes	
Aftertouch	Keys	No	No	

Function		Transmitted	Recognised	Remarks
	Channels	No	No	
Pitch bender		No	Yes	
Control change	0	No	Yes	Bank select
	1	No	Yes	Modulation
	5	No	Yes	Portamento time
	6	No	Yes	Data entry
	7	No	Yes	Volume
	10	No	Yes	Pan
	11	No	Yes	Expression
	64	No	Yes	Sustain pedal
	65	No	Yes	Portamento ON/OFF
	66	No	Yes	Sostenuto pedal
	67	No	Yes	Soft pedal

Function		Transmitted	Recognised	Remarks
	80	No	Yes	Reverb program
	81	No	Yes	Chorus program
	91	No	Yes	Reverb level
	93	No	Yes	Chorus level
	120	No	Yes	All Sound Off
	121	No	Yes	Reset All Controllers
	123	No	Yes	All Notes Off
Program change		No	Yes	
	Variable range	No	0…127	
System exclusive		********	Yes	
System common	Song Position	No	No	
	Song Select	No	No	
	Tune	No	No	

Function		Transmitted	Recognised	Remarks
System real time	Clock	No	No	
	Command	No	No	
Aux messages	Local ON/OFF	No	No	
	All Notes OFF	No	Yes	
	Active Sense	No	Yes	
	System reset	No	Yes	

- Mode 1: OMNI On, Poly
- Mode 2: OMNI On, Mono
- Mode 3: OMNI Off, Poly
- Mode 4: OMNI Off, Mono

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